

Title (en)
Gas generating agent composition

Title (de)
Gaserzeugende Zusammensetzung

Title (fr)
Composition génératrice de gaz

Publication
EP 0749946 A1 19961227 (EN)

Application
EP 95109747 A 19950622

Priority
• EP 95109747 A 19950622
• US 49441495 A 19950626

Abstract (en)
This invention aims to provide a gas generating composition for a gas generator for an air bag, which composition produces less combustion residues which are easily adsorbed. This composition comprises an azide of an alkali metal or alkaline earth metal, a metallic silicide, and a perchlorate or nitrate of an alkali metal or alkaline earth metal. The combustion residues of the azide are changed into a glass silicate by the metallic silicide and caught by a filter of the gas generator, so that they do not pass through the filter of the gas generator nor make holes in the air bag unlike a conventional gas generator. The addition of silicon dioxide further improves the catching of the combustion residues of the azide. <IMAGE>

IPC 1-7
C06D 5/06; **C06B 35/00**

IPC 8 full level
C06B 35/00 (2006.01); **C06D 5/06** (2006.01)

CPC (source: EP US)
C06B 35/00 (2013.01 - EP US); **C06D 5/06** (2013.01 - EP US)

Citation (applicant)
• JP S5820920 B2 19830426 - BAYERN CHEMIE GMBH FLUGCHEMIE
• JP S63242987 A 19881007 - HERCULES INC
• JP H05238867 A 19930917 - BAIERUN CHEM AIR BATSUKU GMBH
• JP S51553071 A

Citation (search report)
• [A] FR 2193801 A1 19740222 - CANADIAN IND [CA]
• [A] FR 2219918 A1 19740927 - ASAHI CHEMICAL IND [JP]
• [A] US 4931111 A 19900605 - POOLE DONALD R [US], et al
• [A] US 4604151 A 19860805 - KNOWLTON GREGORY D [US], et al
• [A] EP 0536525 A1 19930414 - BAYERN CHEMIE AIRBAG GMBH [DE] & JP H05238867 A 19930917 - BAIERUN CHEM AIR BATSUKU GMBH

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0749946 A1 19961227; DE 749946 T1 19970904; US 5741999 A 19980421

DOCDB simple family (application)
EP 95109747 A 19950622; DE 95109747 T 19950622; US 49441495 A 19950626